



**EUCloudEdgeIoT.eu**

## **TASK FORCE 6 – Communications**

Lead by Trust-IT (UNLOCK-CEI) & MARTEL INNOVATE (Open Continuum)

# Mission, objectives and goals

- **Mission**

Have **the EUCloudEdgeIoT** initiative become the main reference point for all main research and business initiatives and companies active along the cloud, edge & IoT continuum

- **Key objectives**

- **Branding:** Create a brand identity for the EUCloudEdgeIoT initiative and promote an harmonised way among CSAs, creating a shared voice to maximise impact
- **Community:** Develop an engaged community containing all the EUCloudEdgeIoT stakeholders, including all the clusters present today and other existing communities
- **Dedicated initiatives and promotion materials:** Amplify RIAs' activities
- **Events:** Coordinate common events or joint presence at third party events
- **Support system and discussion:** Sustain a continued, content-rich debate on CEI continuum



# Main results – Joint Branding & communication materials



EUCloudEdgeIoT.eu

**Building the European  
Cloud, Edge & IoT  
Continuum  
for business and  
research**

The European Cloud, Edge & IoT Continuum is engaging with industry and SMEs to unlock the potential of these transformative technologies by understanding the supply and demand value chains in Europe.

Visit the website!



EUCloudEdgeIoT.eu is supported by the Open Continuum and MetaOS and both received funding from the European Union's Horizon Europe Research and Innovation Programme under the grant Agreement numbers 101070020 and 101070071.



EUCloudEdgeIoT.eu  
Brand Book  
eucloudedgeiot.eu



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AND IOT CONTINUUM  
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AND IOT CONTINUUM  
for Business and Research**

The Research Community Booklet



EUCloudEdgeIoT.eu

**META-OPERATING  
SYSTEMS PROJECTS  
KEY SOLUTIONS, OPEN  
CALLS AND USE CASES**

APRIL 2023

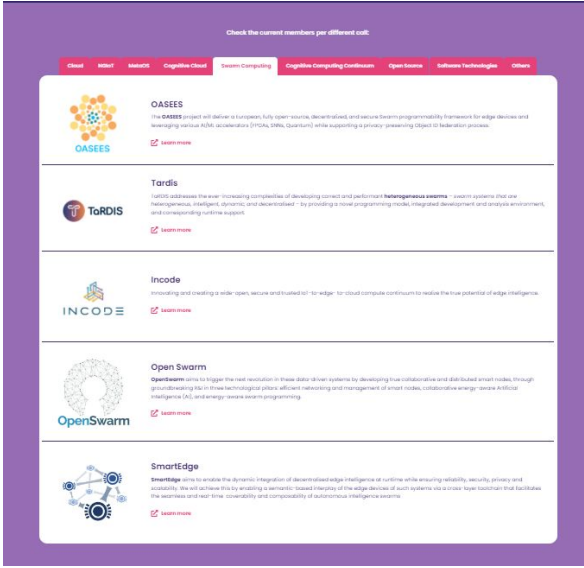
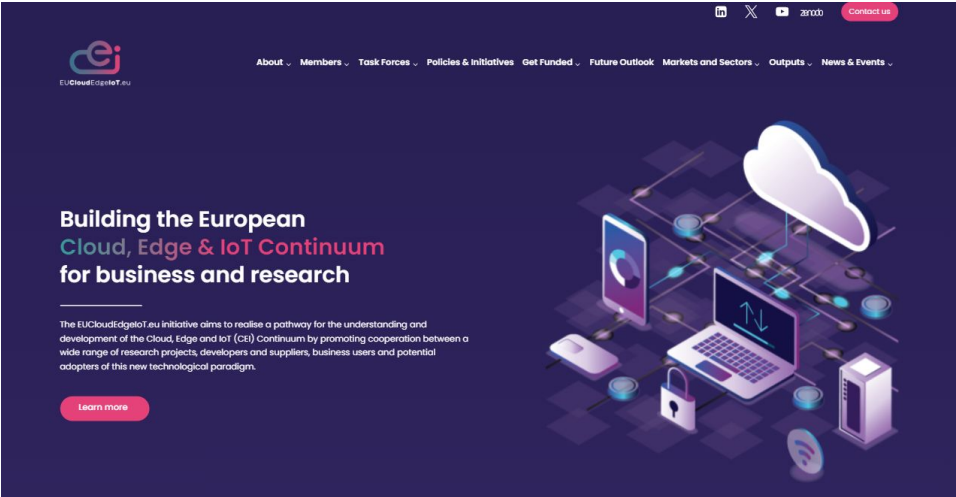


## Produced and distributed:

Logo in various formats, 1 brand book, virtual backgrounds, 3 dedicated roll-up banners, 1 RIA brochure, 1 EUCEI booklet, 1 MetaOS booklet



# Main results – Joint Communication Channels



[www.eucloudedgeiot.eu](http://www.eucloudedgeiot.eu)  
 Unique portal with information from each project

Information about the Swarm cluster and link to their website, information about the Open Calls



Joint Newsdigest

750 subscribers  
 17 issues sent



@EU\_CloudEdgeIoT

671 followers



company/eucloudedgeiot

1029 followers



channel/eucloudedgeiot\_eu

50 videos, 4072 views

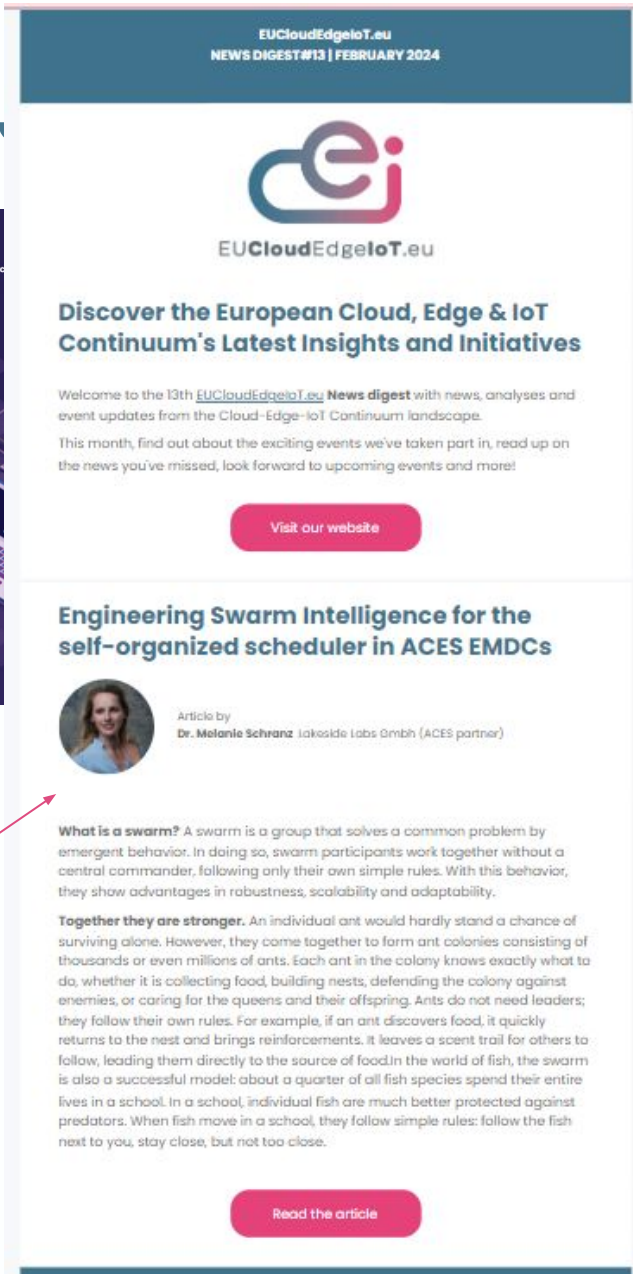
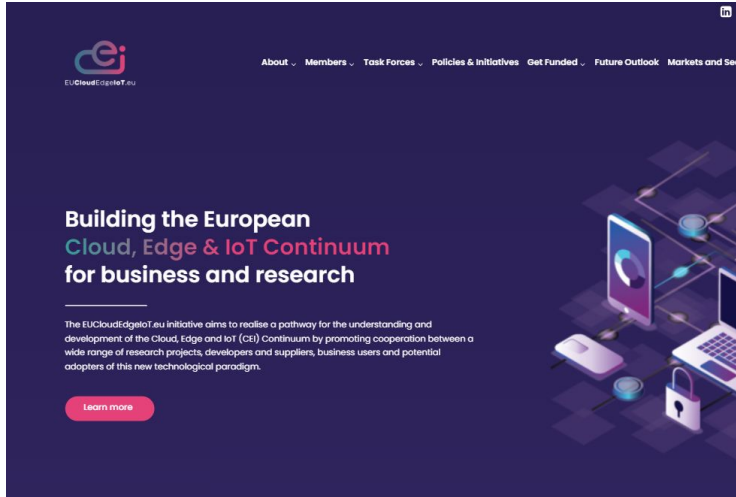


zenodo.org/communities/eucloudedgeiot

51 documents, 7022 downloads



# Main results –



# Communication Channels

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# Main results – Community

<p><b>Cloud Computing</b></p>	<p><b>Next Generation IoT</b></p>	<p><b>META-Operating Systems</b></p>	<p><b>Cognitive Cloud</b></p>
<p><b>Swarm Intelligence</b></p>	<p><b>Open Source for Cloud Services</b></p>	<p><b>Software Technologies</b></p>	<p><b>Cognitive Computing Continuum</b></p>
<p><b>&amp; More</b></p>		<p><b>Initiatives</b></p>	

































55 projects and initiatives, with regular monthly calls



# Main results – Joint events



**Thank you for joining the EUCloudEdgeIoT.eu Community**

<b>ICT-40 (2)</b>  	<b>ICT-56 EU-IoT (5)</b>     	<b>MetaOS (5)</b>     	<b>Cognitive Cloud (6)</b>       
<b>Swarm (4)</b>    	<b>Open Source (4)</b>    	<b>ICT-50 (2)</b>  	<b>Others (3)</b>   

**Feb 2023: Launch of the TFs**



**Concertation and Consultation on Computing Continuum:  
From Cloud to Edge to IoT**

10-11 May 2023  
The Claridge – Brussels, Belgium

Organized by: **Open Continuum**

Supported by: **UNICE, CEI and SWIRium**

**May 2023: Concertation & Consultation event**



# Final events



**DON'T MISS**

EUCloudEdgeIoT's Open Continuum Final Conference

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**EUCLOUDEDGEIOT AND THE VALUE OF THE  
CLOUD-EDGE-IOT RESEARCH  
PROJECTS IN THE INDUSTRY SECTOR**

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 18 June, 2024  The Claridge, Brussels, Belgium



**UNLOCK-CEI  
Final Event**

Towards deployment of Cloud-Edge-IoT solutions across the computing continuum:  
**From Market pathways  
to Large scale pilots**

**23 Sep 2024**  
14:00 - 19:30 CEST

**AREA 42**  
RUE DES PALAIS 46,  
B-1030 BRUSSELS

**REGISTER NOW!**





# Main results [Open Continuum] – RIAs showcase webinars

<p>8 February 2024   10h00–11h30 CET</p> <p><b>Next-generation IoT insights</b></p> <p>Co-organised with <a href="#">HIPEAC</a></p> <p><a href="#">Learn more</a> <a href="#">Access Recording</a></p>	<p>26 March 2024   11h00–12h00 CET</p> <p><b>Cognitive Cloud Infrastructure: AI to make it fast, lightweight and performant</b></p> <p>Co-organised with <a href="#">PLACERE</a></p> <p><a href="#">Learn more</a> <a href="#">Access Recording</a></p>	<p>3 April 2024   15h00–17h30 CET</p> <p><b>Meta Operating Systems: Innovating the CEI landscape</b></p> <p>Co-organised with <a href="#">aerOS</a> and <a href="#">FLUIDOS</a></p> <p><a href="#">Learn more</a> <a href="#">Access Recording</a></p>
<p>18 April 2024   10h30–13h00 CET</p> <p><b>Future-proof solutions for cognition-enabled cloud computing</b></p> <p>Co-organised with <a href="#">ACES</a></p> <p><a href="#">Learn more</a> <a href="#">Access Recording</a></p>	<p>17 May 2024   09h00–10h30 CEST</p> <p><b>Presenting the future of open source for cloud services</b></p> <p>Co-organised with EUCI TF2/Eclipse Foundation</p> <p><a href="#">Learn more</a></p>	<p>28 May 2024   10h00–11h30 CEST</p> <p><b>Tackling the ever-increasing complexities of developing efficient heterogeneous swarm systems</b></p> <p>Co-organised with <a href="#">TaRDIS</a> and <a href="#">INCODE</a></p> <p><a href="#">Learn more</a> <a href="#">Access Recording</a></p>
<p>6 June 2024   10h30–13h00 CET</p> <p><b>Future-proof solutions for cognition-enabled cloud computing – Part 2</b></p> <p>Co-organised with <a href="#">ACES</a></p> <p><a href="#">Learn more</a> <a href="#">Access Recording</a></p>		



# Main results [UNLOCK-CEI] – use case stories

- Creation of dedicated flyers to promote the most mature use cases from the **industry** and **R&I** use cases

The image shows two overlapping flyer images for a case study titled "From Vision to Impact" by EUCloudEdgeIoT. The flyer is for Gestamp, an automotive manufacturer. The main title of the flyer is "From Vision to Impact" and the subtitle is "Enhancing Real-Time Connectivity and Agile Decision-Making in Automotive Manufacturing with Multi-Access Edge Computing". The flyer is divided into several sections: Background, The Solution, The Company, The Challenge, The service pro, Impact and innovations highlight, Recommendations for policymaking, Future developments, and Useful material related to this story. The flyer also includes a quote from René González, Director of Advanced Manufacturing at Gestamp, and a testimonial from GESTMAP: Connecting Industry. The flyer is presented in a 3D perspective view, with one flyer in the foreground and another slightly behind it.

**Cloud-Edge-IoT Success Stories** Use case story #3 Automotive and Manufacturing

**EUCloudEdgeIoT** **From Vision to Impact**

**Enhancing Real-Time Connectivity and Agile Decision-Making in Automotive Manufacturing with Multi-Access Edge Computing**

**Background**  
The automotive industry, a modern manufacturing cornerstone, is undergoing significant transformation. New technologies, especially 5G and advanced computing systems, are at the forefront of this change, bringing about innovative ways to produce vehicles. Factories are becoming more agile and efficient by harnessing real-time data and integrating smarter systems. This not only streamlines operations but also reduces waste and resource consumption. As the industry continues to evolve, embracing these technological advancements is crucial. It ensures that manufacturers are well-equipped to tackle future challenges, capitalise on new opportunities, and set new benchmarks in automotive production.

**The Solution**  
Leveraging the provider Edge Computing, Tech further step towards digitised factory in management of industrial is a key point of their smart responsive manufacturing factory is based on the digital twin replica of its operations with 5G connectivity and processing from edge to cloud, ensuring real-time data flow. The digital twin was set up to connect physical assets, ensuring real-time data flow. The digital twin was set up to connect physical assets, ensuring real-time data flow. The digital twin was set up to connect physical assets, ensuring real-time data flow.

**The Company** **Gestamp**  
With a presence in more than 20 countries, Gestamp is an international group dedicated to designing, developing and manufacturing metal automotive components. The group specialises in developing innovatively designed products to achieve increasingly safer and lighter vehicles, thereby reducing energy consumption and environmental impact. Throughout its more than 20 years of experience, Gestamp has become a global technology provider characterised by its proximity to customers, ongoing innovation and strong internationalisation. Since its creation, Gestamp has moved from being a small local stamping company to a global company operating in the main auto manufacturing hubs. With the challenge of being at the forefront of innovation, Gestamp devotes a great effort to research and develop cutting-edge technologies. Therefore, innovation is the basis on which its future strategy is established.

**The Challenge**  
Several challenges arise a 5G digital factory, into Edge Computing with careful orchestration to a increased data flow, ensuring the workforce is vital to leveraging other hurdles call for a delicate operational stability.

**The service pro**  
Tech is a focused on providing solutions to businesses. It services in areas like Cybersecurity, IoT, Big I alongside various partner products and efficient so modern businesses.

**Impact and innovations highlight**  
The implementation of 5G with the edge computing service allows all the different devices and stations in the factory to be connected. Allowing the sending and receiving of information given a specific condition or alert enables real-time response actions. Furthermore, this comprehensive data ecosystem has been instrumental in constructing a digital twin, mirroring real-world scenarios for more accurate simulations and predictions. This integration of technologies and concurrent application of multiple use cases equip the smart factory with the agility and adaptability it needs for swift decision-making, thereby enhancing productivity and streamlining operations.

**Recommendations for policymaking**  
Based on this story, policymakers should focus on the following key areas to promote the adoption and scalability of Cloud-Edge-IoT solutions in this industrial domain:  
• **Standardise Connectivity Protocols:** Engage with Standard Development Organisations (SDOs) to collaboratively shape unified industry standards for seamlessly integrating 5G and edge computing in manufacturing.  
• **Enhance Data Protection Measures:** Enforce robust security regulations tailored to protect sensitive information within 5G-enabled manufacturing ecosystems.  
• **Invest in Workforce Upskilling:** Promote educational initiatives to equip the workforce with skills essential for advanced manufacturing technologies.  
• **Encourage Collaborative Innovation:** Building strong relationships with global tech providers can bring in expertise, innovation, and best practices from around the world. This not only enhances the quality of Cloud-Edge-IoT solutions available in Europe but also positions the continent as a leader in the global technological landscape.

**Future developments**  
Possible new developments could be oriented to achieving near-zero latency by integrating on-premise edge solutions with a dedicated 5G private network within the factory. This approach would allow Gestamp to ensure dedicated bandwidth for its operations, establish Quality of Service (QoS) parameters, and promote a wireless factory environment, accommodating the high mobility requirements of connected devices. Furthermore, there's potential to refine the digital twin model, enhancing its accuracy in reflecting real-time factory conditions. Expanding this smart factory model across other Gestamp locations could be streamlined and automated, thanks to the flexibility offered by edge computing services. This cloud continuum approach facilitates remote setup for each site, reducing operational costs while maximising the benefits of centralised cloud management.

**Useful material related to this story**  
• [GESTMAP: Connecting Industry](#)  
• [Customer video testimonial](#)

**Liked this #CEI success story?** **Follow @EUCloudEdgeIoT on Twitter for more!**

Powered by **the Business Link**



# Next steps

- Next TF6 call 11th September
- Organise the UNLOCK-CEI final event
- Further liaisons between UNLOCK-CEI and NEXUSForum – until November, then new CSA will takeover



# Q&A and discussion







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